

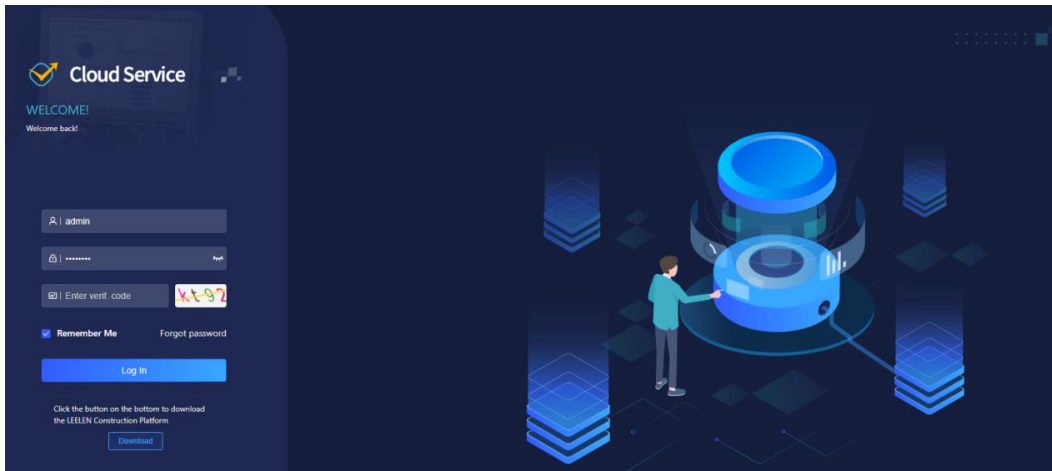
LEELEN Smart Community

Device Deployment & Community Setup Guide

For Distributors & Technical Support Teams

1. Platform Overview

1.1 LEELEN Cloud Service Platform

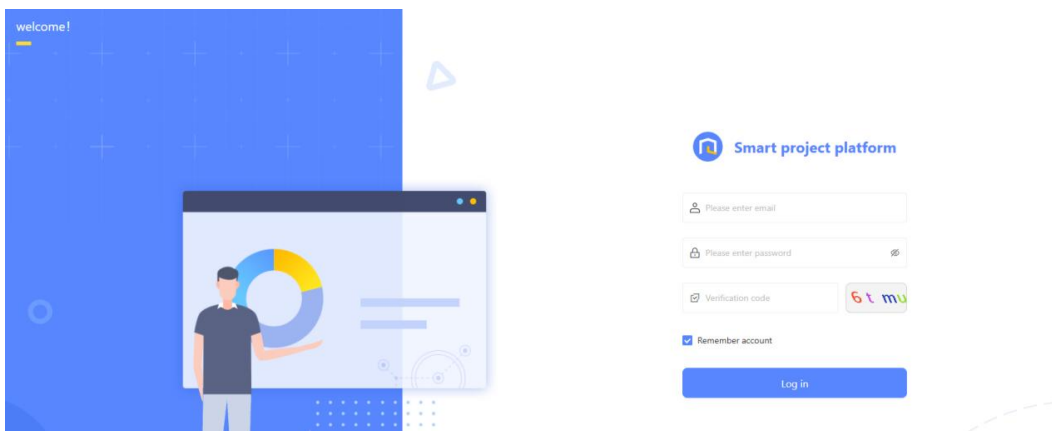


LEELEN Cloud Service Platform is an intelligent device deployment and management platform built for O&M (operations and maintenance) personnel and technical support teams. It enables:

- Remote device addition and batch deployment
- Real-time device status monitoring
- Unified version and configuration management across large-scale deployments
- Multi-device-type compatibility with high reliability and security

For Distributors: Use this platform to submit new community applications, track approval status, and retrieve community login credentials for handover to property management.

1.2 Smart Project Platform



Smart Project Platform is a cloud-based management tool designed for property management staff. Technical support engineers use it during initial setup to build the community structure. Key capabilities include:

- Community information and resident data management
- Unit/room hierarchy creation and call number assignment
- Multi-role permission configuration
- Centralized control across multiple communities

For Technical Support: You will use this platform to create the project structure (buildings, floors, units, homes) and bind call numbers before deploying devices on-site.

1.3 Role Responsibilities

Role	Responsibility	Platform Access
Distributor / Reseller	Apply for new community creation, coordinate with property management, follow up on approval status	LEELEN Cloud Service Platform
Technical Support / Engineer	Complete device binding, node configuration, community structure setup, troubleshoot on-site or remotely	LEELEN Cloud Service Platform + Smart Project Platform
System Administrator (LEELEN)	Review and approve community applications, assign business cloud resources	LEELEN Cloud Service Platform (Admin)

2. Pre-Deployment Checklist

Complete all items below before beginning the installation. Document any non-compliant findings and resolve them prior to proceeding.

2.1 Device Inspection

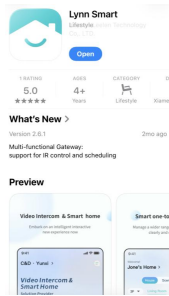
1. Inspect device housing for damage, deformation, cracks, or rust.
2. Check all interfaces (power, network, signal) for bent pins or broken connectors; inspect cables for wear or aging.
3. Verify the device nameplate and serial number are legible and match the packing list.
4. Confirm the power switch is in the "Off" position; verify the voltage selector (if present) matches local supply.
5. Confirm all accessories are present: mounting brackets, screws, manual, and certificate of conformity.
6. Briefly power on the device, check that indicator lights are normal, and verify there are no unusual noises or odors.

2.2 Installation Environment Check

7. Ambient temperature 0°C–40°C; humidity 10%–90% non-condensing.
8. Adequate ventilation; no obstructions at intake/exhaust vents; sufficient heat dissipation clearance.
9. Stable power supply voltage matching rated requirements; compatible outlet/plug; reliable grounding; UPS confirmed if required.
10. Network cables properly routed; ports/fiber interfaces compatible; IP address, gateway, and DNS planned and available.
11. Installation surface (cabinet/wall/desktop) meets size and load-bearing requirements; maintenance access reserved.
12. Equipment and cabinet reliably grounded; lightning protection installed for outdoor or lightning-prone sites.
13. Location free from strong EMI sources (motors, inverters, radio towers, etc.).
14. No water leakage, excessive dust, or corrosive gases; outdoor equipment meets required waterproof/dustproof rating.
15. Adequate lighting in the installation area.
16. Complete the environment inspection checklist; document and rectify all non-compliant items before proceeding.

2.3 App & Account Preparation

17. Download the Lynn Smart app from the Apple App Store or Google Play.



18. Confirm LEELEN Cloud Service Platform login credentials are available (provided by LEELEN or your account manager).
19. Confirm the community account and password are ready for the Smart Project Platform handover to the property team.

3. Community Setup & Device Deployment Workflow

Follow the steps below in sequence. Each step must be completed before proceeding to the next.

Step 1 — Power On Devices

Apply power to all devices at the installation site. Verify normal startup behavior (indicator lights, no abnormal sounds).

Step 2 — Connect Devices to Network

Connect all devices to the local network. Verify network connectivity before proceeding to cloud configuration.

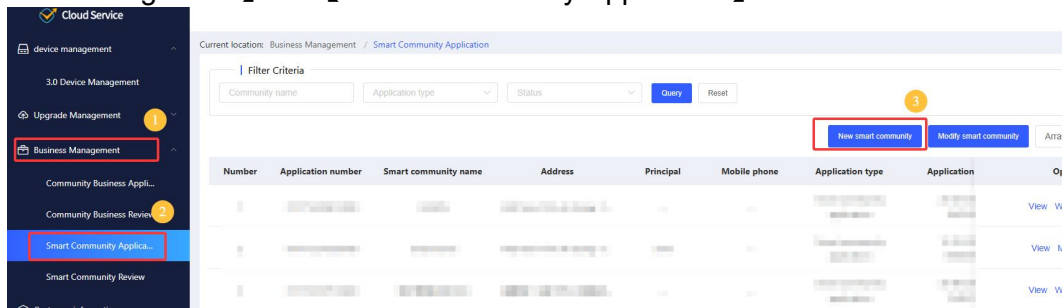
Technical Note: Confirm device IP assignment (DHCP or static), and ensure devices can reach the LEELEN cloud service endpoint. Check firewall rules if needed.

Step 3 — Create a New Community on LEELEN Cloud Service Platform

3.1 Submit Community Application

Log in to the LEELEN Cloud Service Platform. Navigate to:

【Business Management】 → 【Smart Community Application】 → "New Smart Community"



Fill in all required fields:

- Community Name
- Country / Province / City / Address
- Contact Information
- Community Login Account and Password
- Assigned Technician

On the approval page:

- Select the Project Type
- Select the Business Cloud
- Enter the Allow Number (maximum number of sub-communities permitted)
- Click Approved

Audit smart community

Principal: Enter the contact person

Mobile phone: Enter the mobile phone

Email 1: [Redacted]

* Project type: Standard project

* Business Cloud: saas-dev38.leelen.net

* Allowed number: 50

Note: The default value is 50, and the number range is 1-100.

Account info

* Login name: [Redacted] Initial password: [Redacted]

Note: Only users with System Administrator privileges can complete this approval step. If you are a distributor, coordinate with your LEELEN account manager to expedite the review.

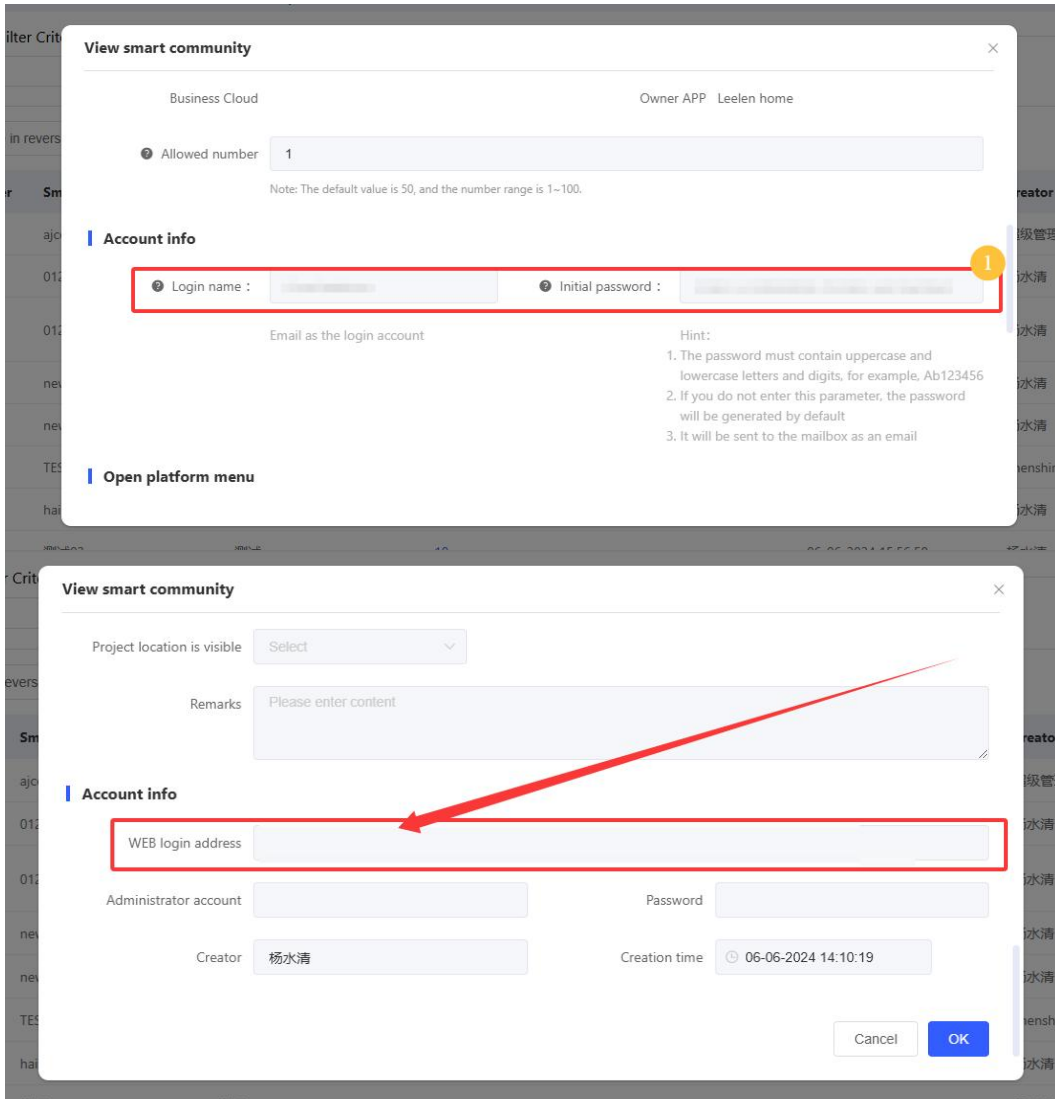
3.3 Retrieve Community Credentials

After approval, the community record moves to:

【Customer Information】 → 【Smart Community Information】

Locate the new community and click "View" to obtain the Smart Project Platform login credentials.

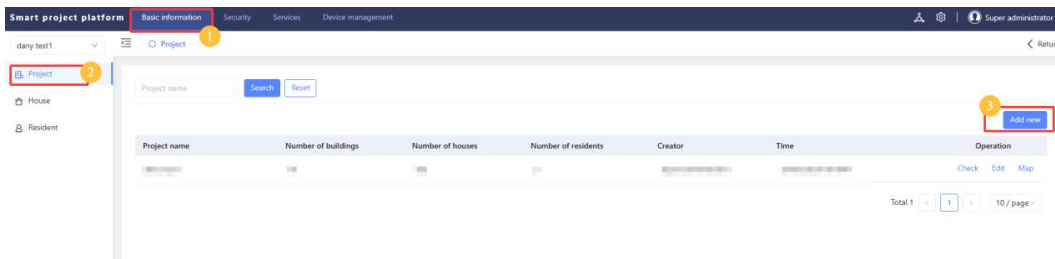
Number	Smart community name	Address	Community	Principal	Phone	Creation time	Creator	Operation
1	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View ³ Modify Audit details Modify salesperson
2	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Modify salesperson
3	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Sync Modify salesperson
4	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Modify salesperson
5	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Modify salesperson
6	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Modify salesperson
7	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Modify salesperson
8	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	View Modify Audit details Sync



Step 4 — Build Community Structure in Smart Project Platform

Log in to the Smart Project Platform using the credentials retrieved in Step 3.

4.1 Create a Project (Building/Estate)



Add new ✕

Basic information

* Project name * Detailed address

* Time zone

* Daylight Saving Time Disable Enable

* Whether to enable face no yes * WTSPITC no yes

4.2 Create Houses (Buildings/Blocks)

The screenshot displays the 'Smart project platform' interface. The top navigation bar includes 'Basic information', 'Security', 'Services', and 'Device management'. The main content area is divided into two tabs: 'Basic information' and 'House creation'.

Basic information tab:

- Search bar: 请输入房号
- Room number: Call number: Search: Reset:
- Summary: Total number of buildings: 10, Total number of units: 10, Total number of houses: 102
- Table:

Regional scope	Building	Unit	Houses
▶ Building01nothing	0	1	101
▶ Building02nothing	0	1	1
▶ Building03nothing	0	1	0
▶ Building04nothing	0	1	0
▶ Building05nothing	0	1	0
▶ Building06nothing	0	1	0
▶ Building07nothing	0	1	0
▶ Building07nothing	0	1	0

House creation tab:

- Search bar: 请输入房号
- Room number: Call number: Search: Reset:
- Buttons: Add building in batches (highlighted), Add homes in batches, Batch delete, Import, Export
- Table:

Region	House address	Room number	House call number	Operation
<input type="checkbox"/> Building01nothin...	0101	0101	1234-0101	Edit Delete
<input type="checkbox"/> Building01nothin...	0102	0102	1234-0102	Edit Delete
<input type="checkbox"/> Building01nothin...	0103	0103	1234-0103	Edit Delete
<input type="checkbox"/> Building01nothin...	0104	0104	1234-0104	Edit Delete
<input type="checkbox"/> Building01nothin...	0105	0105	1234-0105	Edit Delete
<input type="checkbox"/> Building01nothin...	0106	0106	1234-0106	Edit Delete

Add building in batches
✕

Location of building units

Affiliated area:

Building preference settings

* Range of building numbers: - * Building numbering planning:

Building address display settings

Prefix: Suffix:

* Building display digits: Address effect:

Add units in batch: Yes No

Unit preference settings

* Number of units per building: * First digit number:

Unit address display settings

Prefix: Suffix: * Unit display digits: Address effect:

4.3 Add Homes (Individual Units)

dany test1
Project X House X House creation
< Return

Organization

Role management

Business config...

Registration

Operation log

Building01nothing

 AUnit

Room number Call number Search Reset

Add building in batches **Add homes in batches** with delete Import Export

Region	House address	Room number	House call number	Operation
<input type="checkbox"/>	Building01nothin...	0101	1234-0101	Edit Delete
<input type="checkbox"/>	Building01nothin...	0102	1234-0102	Edit Delete
<input type="checkbox"/>	Building01nothin...	0103	1234-0103	Edit Delete
<input type="checkbox"/>	Building01nothin...	0104	1234-0104	Edit Delete
<input type="checkbox"/>	Building01nothin...	0105	1234-0105	Edit Delete
<input type="checkbox"/>	Building01nothin...	0106	1234-0106	Edit Delete
<input type="checkbox"/>	Building01nothin...	0107	1234-0107	Edit Delete

Add homes in batches
✕

Position

Affiliated area: Affiliated building: Affiliated unit:

Residential preference settings

* Range of floors: - * Range of room numbers on the same floor: -

* Room numbering rules:

Home address display settings

* Using letters: * Floor display digits:

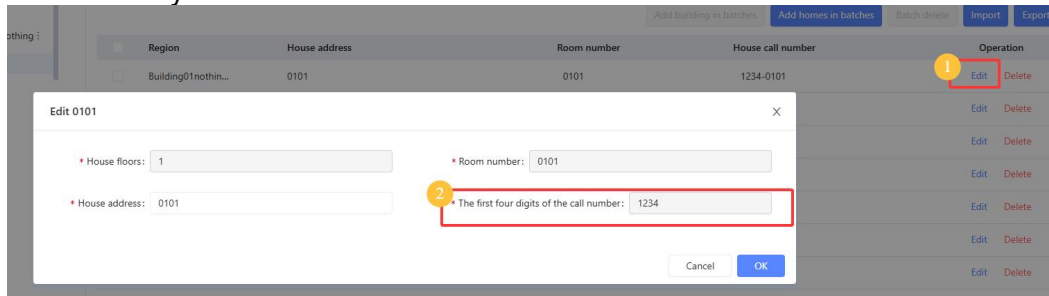
* Room number display digits: Address effect:

Home intercom settings

* The first four digits of the house call number:

4.4 Assign Call Numbers to Homes

Set the call number (intercom extension) for each home unit. Call numbers must be unique within the community.

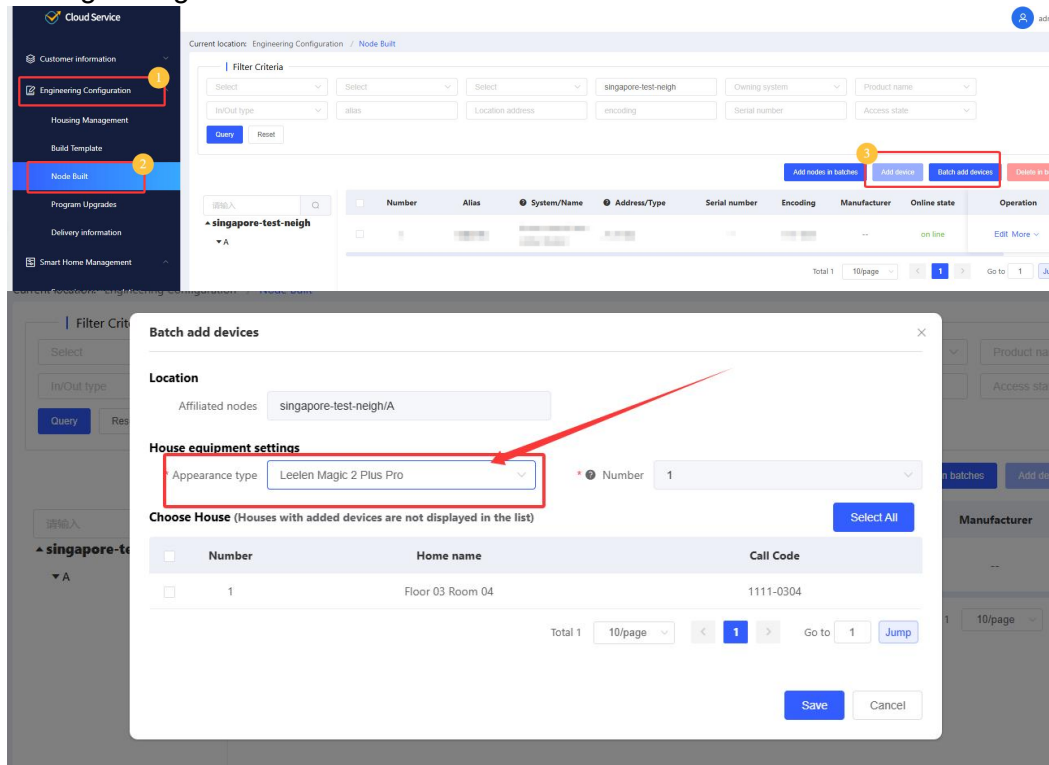


Technical Note: Verify that call numbers match the planned dial plan before binding devices. Changing call numbers after device binding may require reconfiguration.

Step 5 — Add & Bind Devices

Return to the LEELEN Cloud Service Platform. Navigate to:

【Engineering Configuration】 → 【Node Built】 → "Add Device" or "Batch Add Device"



Technical Note: Use "Batch Add Device" when deploying multiple devices of the same type simultaneously. Ensure device serial numbers are scanned or entered accurately to prevent mis-binding.

For Distributors: After device binding is complete, confirm with the technical engineer that all nodes are online and status shows as normal before signing off on the project.

4. Common Issues & Troubleshooting

Issue	Recommended Action
Community application not visible after submission	Pending administrator approval. Check 【Smart Community Review】 or contact your LEELEN account manager.
Device does not appear online after binding	Verify network connectivity, confirm device IP, and check cloud service endpoint accessibility. Reboot device if needed.
Call number conflict error when adding homes	Ensure each home call number is unique within the community. Review the planned dial plan before assignment.
Cannot log in to Smart Project Platform	Confirm credentials from 【 Customer Information 】 → 【 Smart Community Information 】 → View. Reset password via Cloud Service Platform if needed.
Batch device add fails for some devices	Check that serial numbers are correct and that devices are powered on and connected to the network. Add failed devices individually.

5. Project Handover Checklist

Before closing a project, verify that all items below are completed and documented.

5.1 Technical Verification (Technical Support)

- All devices powered on and showing online status in LEELEN Cloud Service Platform
- All device nodes bound correctly to the corresponding community and home units
- Call numbers assigned and verified for all home units
- Device firmware is up to date
- Basic intercom and access control functionality tested on-site

5.2 Documentation & Handover (Distributor)

- Smart Project Platform login credentials handed over to property management staff
- Lynn Smart app installed and tested on at least one resident device
- Property staff trained on basic daily operations (resident management, permission assignment)
- Project completion report submitted to LEELEN account manager
- On-site photos and inspection checklist archived

— End of Document —